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Amendments to the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-11 (canceled):

Claim 12 (previously presented): A method for identifying a HCV RNA-dependent RNA

polymerase inhibitor comprising:

(a) incubating in vitro a composition comprising a purified HCV NS5B recombinant

protein, ribonucleotide substrates, an RNA template, and a test compound, under conditions suitable to

produce NS5B RNA-dependent RNA polymerase activity in the absence of said compound, wherein said

recombinant protein was expressed in either a eukaryotic or prokaryotic heterologous system and purified

to apparent homogeneity; and

(b) measuring the ability of said compound to affect said NS5B RNA-dependent RNA

polymerase activity.

Claim 13 (canceled):

Claim 14 (previously presented): The method of claim 12, wherein said method measures primer

independent RNA-dependent RNA polymerase activity.

Claims 15 and 16 (canceled):

Claim 17 (previously presented): The method of 12, wherein said NS5B has the amino acid

sequence of SEQ ID NO:1.

Claim 18 (previously presented): The method of claim 12, wherein said NS5B is produced from

a NS2-NS3-NS4-NS5 polyprotein by means of multiple proteolytic events that occur in an organism

expressing nucleic acid encoding said NS2-NS3-NS4-NS5 polyprotein, followed by purification of said

NS5B.

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Claim 19 (canceled):

Claim 20 (currently amended): A method for identifying a HCV RNA-dependent RNA polymerase inhibitor comprising:

- (a) incubating *in vitro* a composition comprising a purified HCV NS5B recombinant protein, ribonucleotide substrates, an RNA template, and a test compound, under conditions suitable to produce NS5B RNA-dependent RNA polymerase activity in the absence of said <u>test</u> compound, wherein said recombinant protein was expressed in either a eukaryotic or prokaryotic heterologous system and purified to apparent homogeneity, wherein said NS5B is the only HCV protein present during said incubating; and
- (b) measuring the ability of said <u>test</u> compound to affect said NS5B RNA-dependent RNA polymerase activity.

Claim 21 (previously presented): The method of claim 20, wherein said method measures primer independent RNA-dependent RNA polymerase activity.

Claim 22 (currently amended): A method for identifying a HCV RNA-dependent RNA polymerase inhibitor comprising:

- (a) incubating *in vitro* a composition comprising HCV NS5B, ribonucleotide substrates, an RNA template, and a test compound, under conditions suitable to produce NS5B RNA-dependent RNA polymerase activity in the absence of said <u>test</u> compound, wherein said HCV NS5B was expressed in either a eukaryotic or prokaryotic heterologous system; and
- (b) measuring the ability of said <u>test</u> compound to affect said NS5B RNA-dependent RNA polymerase activity.

Claim 23 (previously presented): The method of claim 22, wherein said method measures primer independent RNA-dependent RNA polymerase activity.